

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Claims 1-17 (canceled)

Claim 18 (previously presented) An isolated or recombinant polypeptide having lipase activity and comprising a sequence having at least 98% amino acid sequence identity to the mature region of SEQ ID NO: 55.

Claim 19 (canceled)

Claim 20 (previously presented) The isolated or recombinant polypeptide of claim 18, wherein said polypeptide comprises a sequence selected from SEQ ID NO: 55 or the mature region thereof.

Claims 21-48 (canceled)

Claim 49 (currently amended) The isolated or recombinant polypeptide of claim 20, wherein the polypeptide comprises the amino acid sequence of SEQ ID NO: 55.

Claim 50-51 (canceled)

Claim 52 (previously presented) The isolated or recombinant polypeptide of claim 18, wherein the polypeptide exhibits lipase activity with respect to tributyrin.

Claim 53 (currently amended) The isolated or recombinant polypeptide of claim 18, wherein the polypeptide exhibits lipase activity with respect to tributyrin in ~~N,N-dimethylformamide~~ N,N-dimethylformamide (DMF).

Claim 54 (canceled)

Claim 55 (previously presented) The isolated or recombinant polypeptide of claim 18, wherein the polypeptide exhibits lipase activity with respect to neryl- butyrate.

Claim 56 (previously presented) The isolated or recombinant polypeptide of claim 18, wherein the polypeptide exhibits lipase activity with respect to geranyl-butyrate.

Claim 57 (canceled)

Claim 58 (previously presented) The isolated or recombinant polypeptide of claim 18, wherein the polypeptide exhibits lipase activity with respect to pentadecanolide.

Claim 59-71 (canceled)

Claim 72 (previously presented) The isolated or recombinant polypeptide of claim 18, further comprising a leader sequence.

Claim 73 (canceled)

Claim 74 (previously presented) The isolated or recombinant polypeptide of claim 18, wherein the polypeptide comprises a secretion signal or a localization signal.

Claim 75 (previously presented) The isolated or recombinant polypeptide of claim 18, wherein the polypeptide comprises an epitope tag.

Claim 76 (previously presented) The isolated or recombinant polypeptide of claim 18, wherein the polypeptide comprises a fusion protein comprising one or more additional amino acid sequences.

Claim 77 (previously presented) The isolated or recombinant polypeptide of claim 18, further comprising a polypeptide purification domain.

Claim 78 (previously presented) The isolated or recombinant polypeptide of claim 77, wherein the polypeptide purification domain is selected from the group consisting of: an epitope tag, a polyhistidine sequence, and a glutathione S-transferase (GST).

Claim 79 (previously presented) The isolated or recombinant polypeptide of claim 18, further comprising a methionine residue at the N-terminus.

Claim 80 (canceled)

Claim 81 (previously presented) The isolated or recombinant polypeptide of claim 18, wherein the polypeptide further comprises a modified amino acid selected from the group consisting of: a glycosylated amino acid, a PEGylated amino acid, a farnesylated amino acid, an acetylated amino acid, a biotinylated amino acid, and an amino acid conjugated to a lipid moiety.

Claim 82 (canceled)

Claim 83 (previously presented) A composition comprising the isolated or recombinant polypeptide of claim 18 and a pharmaceutically acceptable excipient.

Claims 84-130 (canceled)

Claim 131 (previously presented) A composition comprising the isolated or recombinant polypeptide of claim 18 and a surfactant.

Claims 132-133 (canceled)

Claim 134 (previously presented) The composition of claim 131, further comprising one or more of: a builder, a polymer, a bleach system, a structurant, a pH adjuster, a humectant, or a neutral inorganic salt.

Claims 135-180 (canceled)

Claim 181 (previously presented) The isolated or recombinant polypeptide of claim 18, wherein the polypeptide comprises one or more amino acid residues selected from the group consisting of Lys at position 1, Thr at position 14, Ser at position 17, Arg at position 22, Glu at position 26, Pro at position 31, Gly at position 33, Glu at position 34, Pro at position 35, Pro or Thr at position 37, Ser or Lys at position 41, Gly at position 42, Arg or Glu at position 43, Ala at position 61, Tyr at position 75, Gly at position 96, Ser at position 97, Thr at position 104, Ser at position 107, Ala at position 125, Gly at position 129, Val at position 134, Cys at position 138, Lys at position 141, Lys at position 146, Thr at position 156, Met at position 160, Arg at position 166, and His at position 177,

wherein the positions are equivalent amino acid positions with respect to SEQ ID NO: 75.

Claims 182-188 (canceled)

Claim 189 (currently amended) An isolated or recombinant polypeptide exhibiting lipase activity,

wherein the polypeptide is encoded by a ~~polynucleotide~~ polynucleotide that hybridizes under stringent conditions over substantially the entire length of the mature coding region of SEQ ID NO: 1, or complement thereof,

wherein stringent hybridization conditions are 42°C overnight in 50% formamide with 1 mg heparin and a 0.2x SSC wash at 65°C for 15 minutes,
and

wherein the polypeptide comprises one or more amino acid residues [[selected-from]] selected from the group consisting of Lys at position 1, Thr at position 14, Ser at position 17, Arg at position 22, Glu at position 26, Pro at position 31, Gly at position 33, Glu at position 34, Pro at position 35, Pro or Thr at position 37, Ser or Lys at position 41, Gly at position 42, Arg or Glu at position 43, Ala at position 61, Tyr at position 75, Gly at position 96, Ser at position 97, Thr at position 104, Ser at position 107, Ala at position 125, Gly at position 129, Val at position 134, Cys at

position 138, Lys at position 141, Lys at position 146, Thr at position 156, Met at position 160, Arg at position 166, and His at position 177,

wherein the positions are equivalent amino acid positions with respect to SEQ ID NO: 75.

Claims 190-210 (canceled)

Claim 211 (previously presented) The isolated or recombinant polypeptide of claim 18, wherein the polypeptide comprises one or more amino acid residues selected from the group consisting of Arg at position 22, Gly at position 33, Ser or Lys at position 41, Arg at position 43, Ser at position 107, Lys at position 141, Lys at position 146, Met at position 160, and His at position 177.

Claim 212 (previously presented) The isolated or recombinant polypeptide of claim 211, wherein the polypeptide comprises one or more amino acid residues selected from the group consisting of Arg at position 43 and Ser at position 107.

Claim 213 (previously presented) The isolated or recombinant polypeptide of claim 18, wherein the polypeptide comprises one or more amino acid residues selected from the group consisting of Ser at position 17, Arg at position 22, Pro at position 31, Gly at position 33, Ser or Lys at position 41, Lys at position 141, Lys at position 146, Met at position 160, Arg at position 166, and His at position 177.

Claim 214 (previously presented) The isolated or recombinant polypeptide of claim 213, wherein the polypeptide comprises one or more amino acid residues selected from the group consisting of Ser at position 17, Pro at position 31, and Arg at position 166.

Claim 215 (previously presented) The isolated or recombinant polypeptide of claim 189, wherein the polypeptide comprises one or more amino acid residues selected from the group consisting of Arg at position 22, Gly at position 33, Ser or Lys at position 41, Arg at position 43, Ser

at position 107, Lys at position 141, Lys at position 146, Met at position 160, and His at position 177.

Claim 216 (previously presented) The isolated or recombinant polypeptide of claim 215, wherein the polypeptide comprises one or more amino acid residues selected from the group consisting of Arg at position 43 and Ser at position 107.

Claim 217 (previously presented) The isolated or recombinant polypeptide of claim 189, wherein the polypeptide comprises one or more amino acid residues selected from the group consisting of Ser at position 17, Arg at position 22, Pro at position 31, Gly at position 33, Ser or Lys at position 41, Lys at position 141, Lys at position 146, Met at position 160, Arg at position 166, and His at position 177.

Claim 218 (previously presented) The isolated or recombinant polypeptide of claim 217, wherein the polypeptide comprises one or more amino acid residues selected from the group consisting of Ser at position 17, Pro at position 31, and Arg at position 166.

Claim 219 (previously presented) A composition comprising the isolated or recombinant polypeptide of claim 189 and a surfactant.

Claim 220 (previously presented) The composition of claim 219, further comprising one or more of: a builder, a polymer, a bleach system, a structurant, a pH adjuster, a humectant, or a neutral inorganic salt.